

Claims

1. A unitary medicament dispenser device for use in the delivery of a first medicament and at least one further medicament as a combination medicament
5 product, the device comprising

a first medicament dispenser for the delivery of said first medicament; and

at least one further medicament dispenser for the delivery of said at least one further
10 medicament,

wherein said first medicament dispenser and said at least one further medicament dispenser enable the first and the at least one further medicament to be kept separate until the point of delivery, and the first medicament dispenser is different in
15 type to the at least one further medicament dispenser.

2. A medicament dispenser device according to claim 1, wherein the device comprises the first medicament dispenser and only one further medicament dispenser.
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3. A medicament dispenser device for use in the inhaled delivery of the first medicament and at least one further medicament, in which the first medicament dispenser is selected from the group consisting of a reservoir dry powder inhaler (RDPI), a multi-dose dry powder inhaler (MDPI), a unit dose dry powder inhaler
25 (UDPI), a metered dose inhaler (MDI) and a liquid spray inhaler (LSI) and the at least one further medicament dispenser is selected from the group consisting of a reservoir dry powder inhaler (RDPI), a multi-dose dry powder inhaler (MDPI), a unit dose dry powder inhaler (UDPI), a metered dose inhaler (MDI) and a liquid spray inhaler (LSI).

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4. A medicament dispenser device according to any of claims 1 to 3, wherein, the first medicament dispenser is a reservoir dry powder inhaler (RDPI), and the at least one further medicament dispenser is of a type selected from the group consisting of a multi-dose dry powder inhaler (MDPI), a metered dose inhaler (MDI)
5 and a liquid spray inhaler (LSI).

5. A medicament dispenser device according to any of claims 1 to 3 wherein, the first medicament dispenser is a multi-dose dry powder inhaler (MDPI), and the at least one further medicament dispenser is of a type selected from the group
10 consisting of a reservoir dry powder inhaler (RDPI), a metered dose inhaler (MDI) and a liquid spray inhaler (LSI).

6. A medicament dispenser device according to any of claims 1 to 3 wherein the first medicament dispenser is a metered dose inhaler (MDI), and the at least one
15 further medicament dispenser is of a type selected from the group consisting of a reservoir dry powder inhaler (RDPI), a multi-dose dry powder inhaler (MDPI) and a liquid spray inhaler (LSI).

7. A medicament dispenser device according to any of claims 1 to 3 wherein the
20 first medicament dispenser is a liquid spray inhaler (LSI), and the at least one further medicament dispenser is of a type selected from the group consisting of a reservoir dry powder inhaler (RDPI), a multi-dose dry powder inhaler (MDPI) and a metered dose inhaler (MDI).

25 8. A medicament dispenser device according to any of claims 3 to 8, wherein the multi-dose dry powder inhaler (MDPI) is arranged to reversibly receive a multi-dose blister pack suitable for containing medicament in dry powder form.

9. A medicament dispenser device according to claim 8, wherein the multi-dose
30 blister pack comprises plural blisters arranged sequentially along an elongate strip.

10. A medicament dispenser device according to claim 9, wherein the strip form multi-dose blister pack comprises an elongate base sheet having plural blister pockets defined therein; and secured thereto and elongate lid sheet, wherein said elongate base sheet and lid sheet are peelably separable to enable access to said
5 blister pockets.

11. A medicament dispenser device according to any of claims 3 to 8, wherein the metered dose inhaler (MDI) is arranged to reversibly receive an aerosol canister suitable for containing medicament in dry powder form.

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12. A medicament dispenser device according to any of claims 3 to 8, wherein the metered dose inhaler (MDI) is arranged to reversibly receive a liquid container suitable for containing medicament in liquid form.

15 13. A medicament dispenser device according to any of claims 1 to 12, additionally comprising a coupled actuator for the first medicament dispenser and the at least one further medicament dispenser.

14. A medicament dispenser according to any of claims 1 to 13, wherein device
20 additionally comprises a mixing chamber including inlets for receiving medicament from the first and at least one further medicament dispenser and an outlet for delivery of combination medicament product to the patient for inhalation.

15. A medicament dispenser device according to claim 14, wherein said outlet
25 communicates with a common mouthpiece.

16. A medicament dispenser device according to any of claims 1 to 15, additionally comprising a breath sensor for sensing the breath of a patient wherein actuation of the first medicament dispenser and/or the at least one further
30 medicament dispenser is responsive to said breath sensor.

17. A medicament dispenser device according to any of claims 1 to 16, wherein the first medicament dispenser includes a medicament container for containing the first medicament and the at least one further medicament dispenser includes at least one further medicament container for containing the at least one further medicament.

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18. A medicament dispenser device according to claim 17, wherein the first medicament container contains the first medicament and the at least one further medicament container contains at least one further medicament.

10 19. A medicament dispenser device according to claim 18, wherein the first medicament comprises a bronchodilator and the at least one further medicament comprises an anti-inflammatory.

20. A medicament dispenser device according to claim 19, wherein said
15 bronchodilator is a beta-agonist and said anti-inflammatory is a steroid.

21. A medicament dispenser device according to claim 20, wherein said bronchodilator is selected from the group consisting of salbutamol, salmeterol, formoterol and any salts or solvates thereof and mixtures thereof.

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22. A medicament dispenser device according to either of claims 20 or 21, wherein said anti-inflammatory is selected from the group consisting of a beclomethasone ester, fluticasone ester, budesonide and any salt or solvates thereof and mixtures thereof.

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23. Use of a medicament dispenser device according to any of claims 1 to 22 for dispensing a combination medicament product.